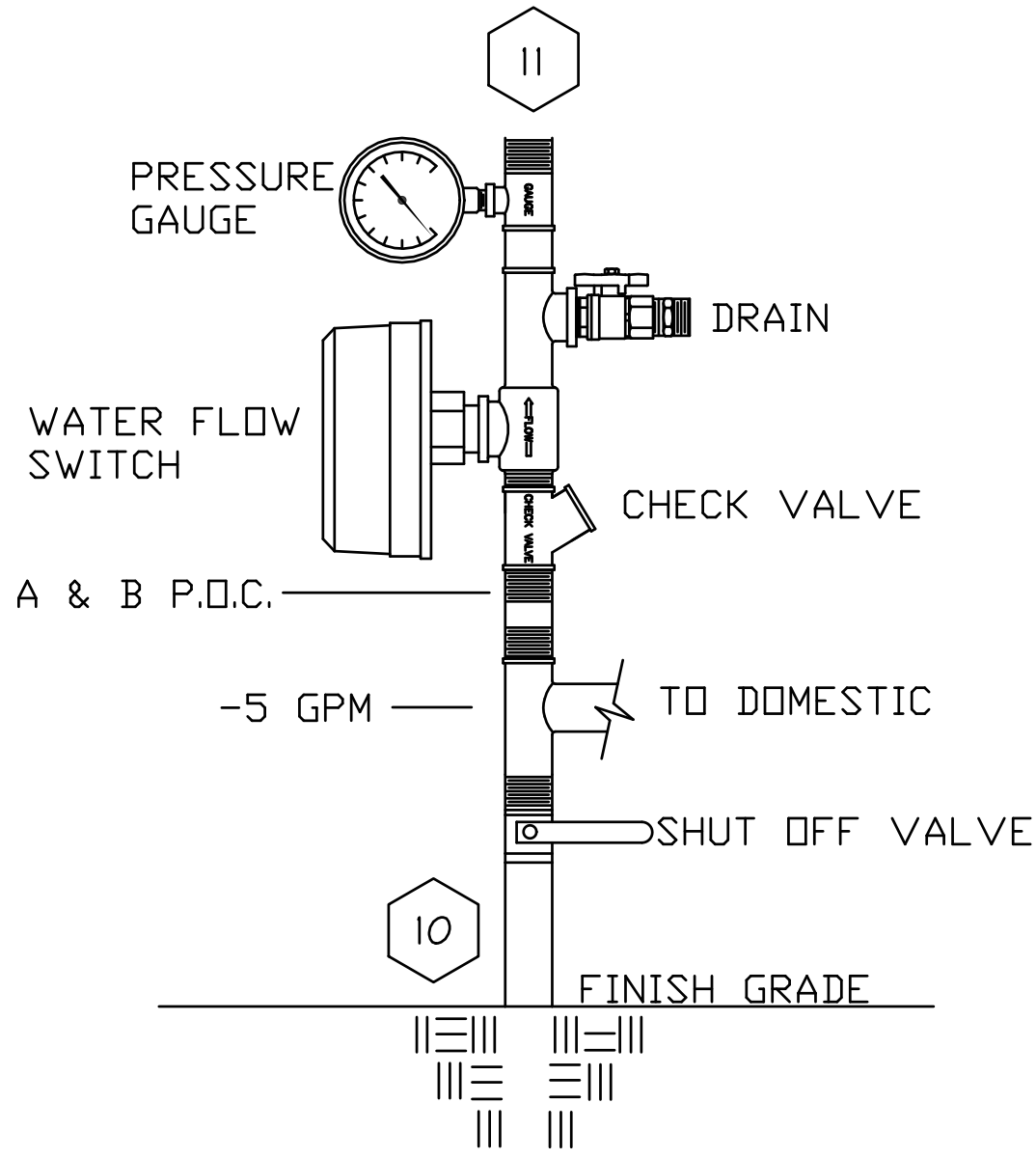


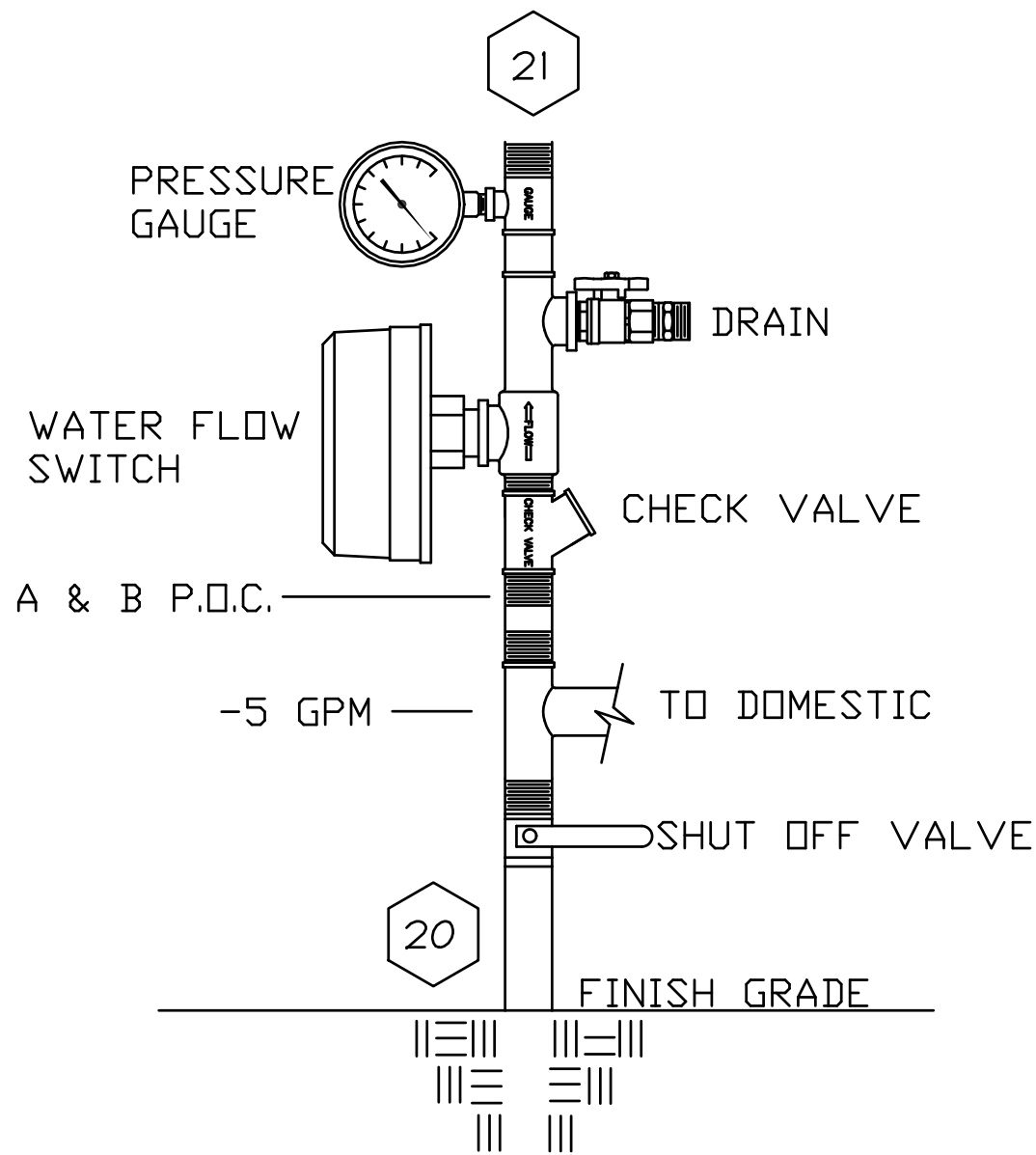
1 1/2" FIRE RISER



RISER DETAIL
NTS

MAIN HOUSE

1" FIRE RISER



RISER DETAIL
NTS

GARAGE

V1. Proximity of Sprinkler to Heat Source

Sprinklers installed too close to heat sources can operate prematurely, and so must be placed a sufficient distance away from the heat source. Common heat sources in residential occupancies include kitchen ranges, wall ovens, fire places, stoves, light fixtures, hot water pipes, water heaters, furnaces, and associated flues and ducts. More specifically, keep at least:

1'-6" laterally from the surfaces of kitchen ranges and wall ovens (Figure 18).

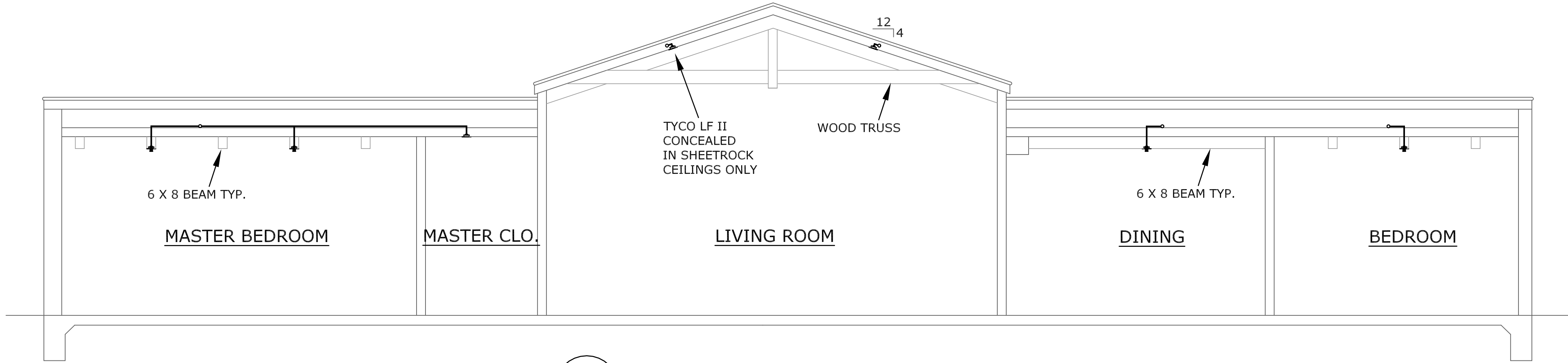
3'-0" laterally from the edges of fireplaces and 5'-0" laterally from the front of a recessed hearth fireplace (Figure 14 and 15).

3'-6" laterally from a surfaces of a stove (Figure 17).

6" laterally 2'-0" above the surfaces of furnaces, water heaters and light fixtures (Figure 16 and 19).

1'-0" laterally from the surface of hot air flues, un-insulated heating ducts, and un-insulated water pipes (Figure 16).

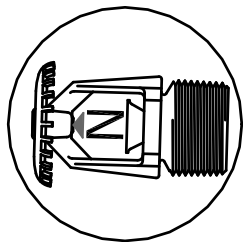
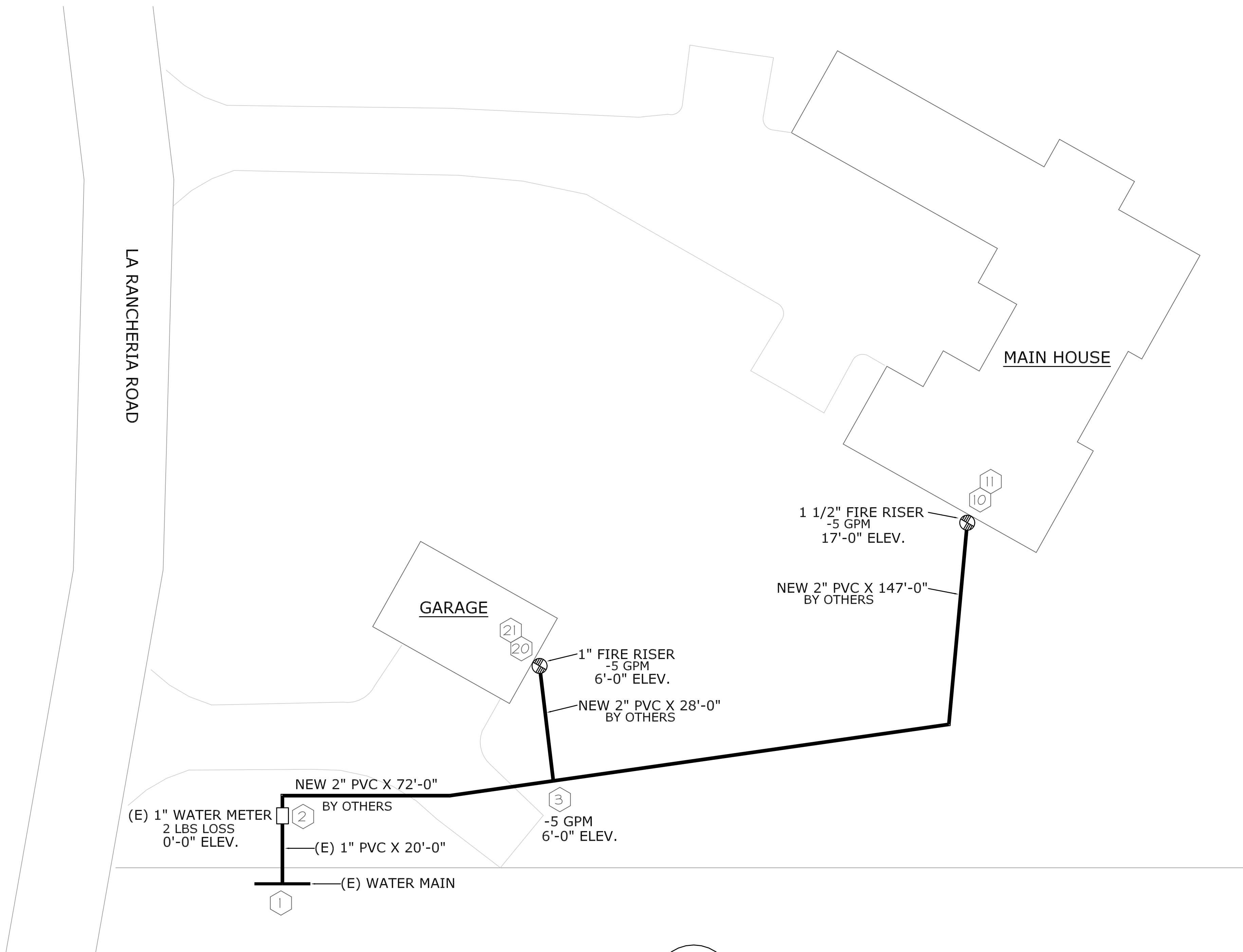
2'-0" laterally from the edges of a ceiling mounted hot air diffuser, and 2'-0" laterally from the sides and 3'-0" laterally from the front of a wall mounted hot air diffusers (Figure 19).



A

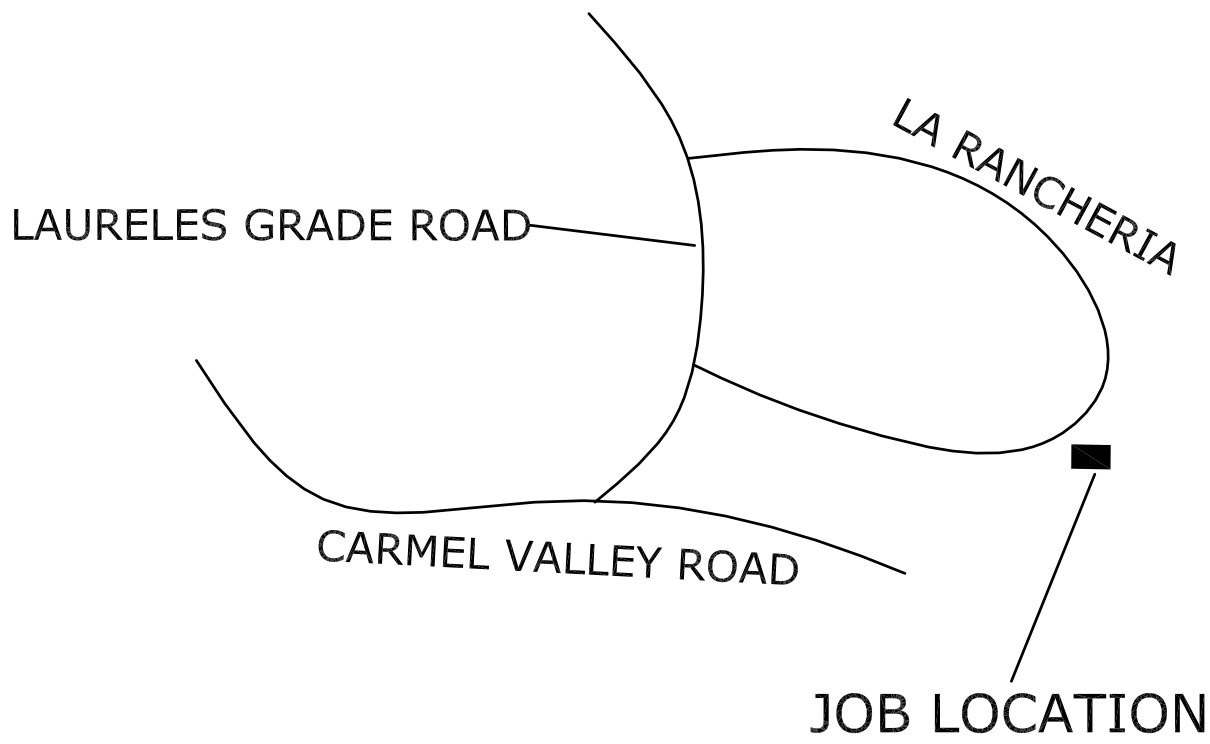
CROSS SECTION

SCALE 1/4"=1'-0"



SITE PLAN

SCALE 1/16"=1'-0"



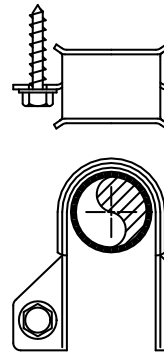
VICINITY MAP

NTS

NAMEPLATE DATA

THIS SYSTEM OPERATES AT A FLOW OF 26.07 GPM AT A PRESSURE OF 36.73 PSI AT THE BASE OF THE RISER.

HARDENED HEX HEAD SELF THREADING SCREW IS FURNISHED WITH THE HANGER AND IS THE MINIMUM FASTENER SIZE ACCEPTABLE

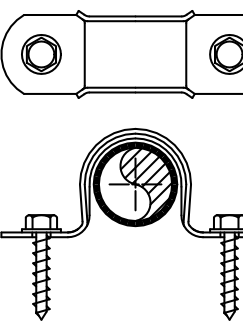


CPVC DOUBLE FASTENER STRAP TYPE HANGER



FIGURE 24 - CPVC HANGER

HARDENED HEX HEAD SELF THREADING SCREW IS FURNISHED WITH THE HANGER AND IS THE MINIMUM FASTENER SIZE ACCEPTABLE



CPVC DOUBLE FASTENER STRAP TYPE HANGER



FIGURE 23 - CPVC HANGER

ALARM 6" ELECTRIC BELL					
SPRINKLERS		K-FACTOR	TYPE	DEGREE	QTY
TYCO LF II PEN TY-2234	●	4.9	SEMI- RECESS PEN.	155	57
TY-FRB TY-3231	●	5.6	SEMI- RECESS PEN.	200	6
TOTAL SPRINKLERS THIS SHEET					71
TOTAL SPRINKLERS ON JOB					71

GENERAL NOTES:

- This system shall be installed per NFPA 13D. (As Noted)
- Overhead piping and fittings are Blazemaster CPVC. The riser is super 40.
- Water supply data: 70 PSI @ WATER METER
- provide hanger within 6 inches of all drops to sprinkler heads.
- Hangers to be Tolco Fig. 22/23 or Ballard Clamps with 5/16"x 1 1/4" Hex Head Screws.
- Sprinklers shall not be located less then 8' apart where there is no intervening barrier.
- The power for the alarm bell shall be from the refrigerator circuit (wiring by others).
- Hanger location N.T.S.
- Hydraulic Reference Point.

REVISIONS	BY

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CARMEL VALLEY, CA. 93924
APN 187-131-042

DRAWN
BG
CHECKED

DATE
3-28-13

SCALE
AS NOTED

SHEET

FP 1

OF

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